

Vandervegt

CRF Errors Corrected by the STIC System Branch

1644

Serial Number: 09/OSI, 685A

CRF Processing Date: 3/30/99  
Edited by: \_\_\_\_\_  
Verified by: \_\_\_\_\_ (STIC staff)

Changed a file from non-ASCII to ASCII.

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:  
ENTERED

Edited the Current Application Data section with the actual current number. The number imputed by the applicant was  the prior application data; or  other \_\_\_\_\_.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:  
RELATED replaced w/ PRIOR

Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_.

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

Other:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

**INPUT SET: S31291.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

**SEQUENCE LISTING**

**ENTERED**

**3 (1) General Information:**

(i) APPLICANT: University of Nebraska Board of Regents

(ii) TITLE OF INVENTION: Compositions and Methods for Enhancing Immune Responses Mediated by Antigen-Presenting Cells

10 (iii) NUMBER OF SEQUENCES: 11

12 (iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Dann, Dorfman, Herrell and Skillman
- (B) STREET: 1601 Market Street Suite 720
- (C) CITY: Philadelphia
- (D) STATE: PA
- (E) COUNTRY: USA
- (F) ZIP: 19103-2307

20 (v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk
- (B) COMPUTER: IBM PC compatible
- (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

26 (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/051,685  
(B) FILING DATE: 17-APRIL-1998  
(C) CLASSIFICATION:

31 (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT US96/16825  
(B) FILING DATE: 18-OCT-1996

35 (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 60/005,727  
(B) FILING DATE: 20-OCT-1995

39 (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Reed, Janet E.  
(B) REGISTRATION NUMBER: 36,252  
(C) REFERENCE/DOCKET NUMBER: UNMC 63102US

(ix) TELECOMMUNICATION INFORMATION:

ELECTRONIC COMMUNICATION INFORMATION:

(A) TELEPHONE: (215) 563-4100

(B) TELEFAX: (215) 563-4044

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 04/01/1999  
TIME: 14:05:52**INPUT SET: S31291.raw**

47  
48  
49 (2) INFORMATION FOR SEQ ID NO:1:  
50  
51 (i) SEQUENCE CHARACTERISTICS:  
52 (A) LENGTH: 10 amino acids  
53 (B) TYPE: amino acid  
54 (C) STRANDEDNESS: Not Relevant  
55 (D) TOPOLOGY: Not Relevant  
56  
57 (ii) MOLECULE TYPE: peptide  
58  
59 (iii) HYPOTHETICAL: NO  
60  
61 (iv) ANTI-SENSE: NO  
62  
63  
64 (ix) FEATURE:  
65 (A) NAME/KEY: Modified-site  
66 (B) LOCATION: 9  
67 (D) OTHER INFORMATION: /note= "The alanine in position 9 is a  
68 D-amino acid."  
69  
70  
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
72  
73 Tyr Ser Phe Lys Pro Met Pro Leu Ala Arg  
74 1 5 10  
75  
76 (2) INFORMATION FOR SEQ ID NO:2:  
77  
78 (i) SEQUENCE CHARACTERISTICS:  
79 (A) LENGTH: 19 amino acids  
80 (B) TYPE: amino acid  
81 (C) STRANDEDNESS: Not Relevant  
82 (D) TOPOLOGY: Not Relevant  
83  
84 (ii) MOLECULE TYPE: peptide  
85  
86 (iii) HYPOTHETICAL: NO  
87  
88 (iv) ANTI-SENSE: NO  
89  
90  
91 (ix) FEATURE:  
92 (A) NAME/KEY: Modified-site  
93 (B) LOCATION: 18  
94 (D) OTHER INFORMATION: /note= "The alanine in the 18th  
95 position is a D-amino acid."  
96  
97  
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
99

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 04/01/1999  
TIME: 14:05:53**INPUT SET: S31291.raw**

100 Tyr Lys Gln Gly Gly Phe Leu Gly Leu Tyr Ser Phe Lys Pro Met Pro  
101 1 5 10 15

102  
103 Leu Ala Arg

104

105

106

107

108 (2) INFORMATION FOR SEQ ID NO:3:

109

110 (i) SEQUENCE CHARACTERISTICS:  
111 (A) LENGTH: 39 amino acids  
112 (B) TYPE: amino acid  
113 (C) STRANDEDNESS: Not Relevant  
114 (D) TOPOLOGY: Not Relevant

115

116 (ii) MOLECULE TYPE: peptide

117

118 (iii) HYPOTHETICAL: NO

119

120 (iv) ANTI-SENSE: NO

121

122

123

124

125 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

126

127 His Gly Thr Val Ile Glu Ser Leu Glu Ser Leu Asn Asn Tyr Phe Asn  
128 1 5 10 15

129

130 Phe Phe Gly Ile Asp Val Glu Glu Lys Ser Leu Phe Leu Asp Ile Trp  
131 20 25 30

132

133 Arg Asn Trp Gln Lys Asp Gly  
134 35

135

136

137

138 (2) INFORMATION FOR SEQ ID NO:4:

139

140 (i) SEQUENCE CHARACTERISTICS:  
141 (A) LENGTH: 39 amino acids  
142 (B) TYPE: amino acid  
143 (C) STRANDEDNESS: Not Relevant  
144 (D) TOPOLOGY: Not Relevant

145

146 (ii) MOLECULE TYPE: peptide

147

148 (iii) HYPOTHETICAL: NO

149

150 (iv) ANTI-SENSE: NO

151

152

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 04/01/1999  
TIME: 14:05:53**INPUT SET: S31291.raw**

153  
154  
155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
156  
157 Gln Asp Pro Tyr Val Lys Glu Ala Glu Asn Leu Lys Lys Tyr Phe Asn  
158 1 5 10 15  
159  
160 Ala Gly His Ser Asp Val Ala Asp Asn Gly Thr Leu Phe Leu Gly Ile  
161 20 25 30  
162  
163 Leu Lys Asn Trp Lys Glu Glu  
164 35  
165  
166  
167  
168 (2) INFORMATION FOR SEQ ID NO:5:  
169  
170 (i) SEQUENCE CHARACTERISTICS:  
171 (A) LENGTH: 19 amino acids  
172 (B) TYPE: amino acid  
173 (C) STRANDEDNESS: Not Relevant  
174 (D) TOPOLOGY: Not Relevant  
175  
176 (ii) MOLECULE TYPE: peptide  
177  
178 (iii) HYPOTHETICAL: NO  
179  
180 (iv) ANTI-SENSE: NO  
181  
182  
183 (ix) FEATURE:  
184 (A) NAME/KEY: Modified-site  
185 (B) LOCATION: 9  
186 (D) OTHER INFORMATION: /note= "The alanine in position 9 is a  
187 D-amino acid."  
188  
189  
190  
191  
192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
193  
194 Tyr Ser Phe Lys Pro Met Pro Leu Ala Arg Tyr Lys Gln Gly Gly Phe  
195 1 5 10 15  
196  
197 Leu Gly Leu  
198  
199  
200  
201 (2) INFORMATION FOR SEQ ID NO:6:  
202  
203 (i) SEQUENCE CHARACTERISTICS:  
204 (A) LENGTH: 9 amino acids  
205 (B) TYPE: amino acid

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 04/01/1999  
TIME: 14:05:53**INPUT SET: S31291.raw**

206                   (C) STRANDEDNESS: Not Relevant  
207                   (D) TOPOLOGY: Not Relevant  
208  
209                 (ii) MOLECULE TYPE: peptide  
210  
211                 (iii) HYPOTHETICAL: NO  
212  
213                 (iv) ANTI-SENSE: NO  
214  
215  
216  
217  
218                 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
219  
220                 Tyr Lys Gln Gly Gly Phe Leu Gly Leu  
221                         1                         5  
222  
223  
224  
225  
226                 (2) INFORMATION FOR SEQ ID NO:7:  
227  
228                 (i) SEQUENCE CHARACTERISTICS:  
229                   (A) LENGTH: 20 amino acids  
230                   (B) TYPE: amino acid  
231                   (C) STRANDEDNESS: Not Relevant  
232                   (D) TOPOLOGY: Not Relevant  
233  
234                 (ii) MOLECULE TYPE: peptide  
235  
236                 (iii) HYPOTHETICAL: NO  
237  
238                 (iv) ANTI-SENSE: NO  
239  
240  
241  
242  
243                 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
244  
245                 Gly Val Thr Ser Ala Pro Asp Thr Arg Arg Ala Pro Gly Ser Thr Ala  
246                         1                         5                         10                         15  
247  
248                 Pro Pro Ala His  
249                         20  
250  
25

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
PATENT APPLICATION **US/09/051,685A**

DATE: 04/01/1999  
TIME: 14:05:54

***INPUT SET: S31291.raw***

Line

Error

Original Text

PAGE: 1

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**

DATE: 03/30/1999  
TIME: 14:09:32

### **INPUT SET: S31291.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 03/30/1999  
TIME: 14:09:32**INPUT SET: S31291.raw**

47  
48  
49 (2) INFORMATION FOR SEQ ID NO:1:  
50  
51 (i) SEQUENCE CHARACTERISTICS:  
52 (A) LENGTH: 10 amino acids  
53 (B) TYPE: amino acid  
54 (C) STRANDEDNESS: Not Relevant  
55 (D) TOPOLOGY: Not Relevant  
56  
57 (ii) MOLECULE TYPE: peptide  
58  
59 (iii) HYPOTHETICAL: NO  
60  
61 (iv) ANTI-SENSE: NO  
62  
63  
64 (ix) FEATURE:  
65 (A) NAME/KEY: Modified-site  
66 (B) LOCATION: 9  
67 (D) OTHER INFORMATION: /note= "The alanine in position 9 is a  
68 D-amino acid."  
69  
70  
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
72  
73 Tyr Ser Phe Lys Pro Met Pro Leu Ala Arg  
74 1 5 10  
75  
76 (2) INFORMATION FOR SEQ ID NO:2:  
77  
78 (i) SEQUENCE CHARACTERISTICS:  
79 (A) LENGTH: 19 amino acids  
80 (B) TYPE: amino acid  
81 (C) STRANDEDNESS: Not Relevant  
82 (D) TOPOLOGY: Not Relevant  
83  
84 (ii) MOLECULE TYPE: peptide  
85  
86 (iii) HYPOTHETICAL: NO  
87  
88 (iv) ANTI-SENSE: NO  
89  
90  
91 (ix) FEATURE:  
92 (A) NAME/KEY: Modified-site  
93 (B) LOCATION: 18  
94 (D) OTHER INFORMATION: /note= "The alanine in the 18th  
95 position is a D-amino acid."  
96  
97  
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
99

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 03/30/1999  
TIME: 14:09:32**INPUT SET: S3I291.raw**

100 Tyr Lys Gln Gly Gly Phe Leu Gly Leu Tyr Ser Phe Lys Pro Met Pro  
101 1 5 10 15

102  
103 Leu Ala Arg  
104  
105  
106  
107

108 (2) INFORMATION FOR SEQ ID NO:3:

109  
110 (i) SEQUENCE CHARACTERISTICS:  
111 (A) LENGTH: 39 amino acids  
112 (B) TYPE: amino acid  
113 (C) STRANDEDNESS: Not Relevant  
114 (D) TOPOLOGY: Not Relevant

115  
116 (ii) MOLECULE TYPE: peptide  
117

118 (iii) HYPOTHETICAL: NO  
119

120 (iv) ANTI-SENSE: NO  
121  
122  
123  
124

125 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

126  
127 His Gly Thr Val Ile Glu Ser Leu Glu Ser Leu Asn Asn Tyr Phe Asn  
128 1 5 10 15

129  
130 Phe Phe Gly Ile Asp Val Glu Glu Lys Ser Leu Phe Leu Asp Ile Trp  
131 20 25 30

132  
133 Arg Asn Trp Gln Lys Asp Gly  
134 35  
135  
136  
137

138 (2) INFORMATION FOR SEQ ID NO:4:

139  
140 (i) SEQUENCE CHARACTERISTICS:  
141 (A) LENGTH: 39 amino acids  
142 (B) TYPE: amino acid  
143 (C) STRANDEDNESS: Not Relevant  
144 (D) TOPOLOGY: Not Relevant

145  
146 (ii) MOLECULE TYPE: peptide  
147

148 (iii) HYPOTHETICAL: NO  
149

150 (iv) ANTI-SENSE: NO  
151  
152

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 03/30/1999  
TIME: 14:09:33**INPUT SET: S31291.raw**

153  
154  
155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
156  
157 Gln Asp Pro Tyr Val Lys Glu Ala Glu Asn Leu Lys Lys Tyr Phe Asn  
158 1 5 10 15  
159  
160 Ala Gly His Ser Asp Val Ala Asp Asn Gly Thr Leu Phe Leu Gly Ile  
161 20 25 30  
162  
163 Leu Lys Asn Trp Lys Glu Glu  
164 35  
165  
166  
167  
168 (2) INFORMATION FOR SEQ ID NO:5:  
169  
170 (i) SEQUENCE CHARACTERISTICS:  
171 (A) LENGTH: 19 amino acids  
172 (B) TYPE: amino acid  
173 (C) STRANDEDNESS: Not Relevant  
174 (D) TOPOLOGY: Not Relevant  
175  
176 (ii) MOLECULE TYPE: peptide  
177  
178 (iii) HYPOTHETICAL: NO  
179  
180 (iv) ANTI-SENSE: NO  
181  
182  
183 (ix) FEATURE:  
184 (A) NAME/KEY: Modified-site  
185 (B) LOCATION: 9  
186 (D) OTHER INFORMATION: /note= "The alanine in position 9 is a  
187 D-amino acid."  
188  
189  
190  
191  
192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
193

194 Tyr Ser Phe Lys Pro Met Pro Leu Ala Arg Tyr Lys Gln Gly Gly Phe  
195 1 5 10 15  
196  
197 Leu Gly Leu  
198  
199  
200  
201 (2) INFORMATION FOR SEQ ID NO:6:  
202  
203 (i) SEQUENCE CHARACTERISTICS:  
204 (A) LENGTH: 9 amino acids  
205 (B) TYPE: amino acid

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/051,685A**DATE: 03/30/1999  
TIME: 14:09:33**INPUT SET: S3I291.raw**

206                   (C) STRANDEDNESS: Not Relevant  
207                   (D) TOPOLOGY: Not Relevant  
208  
209                   (ii) MOLECULE TYPE: peptide  
210  
211                   (iii) HYPOTHETICAL: NO  
212  
213                   (iv) ANTI-SENSE: NO  
214  
215  
216  
217  
218                   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
219  
220                   Tyr Lys Gln Gly Gly Phe Leu Gly Leu  
221                   1                               5  
222  
223  
224  
225  
226                   (2) INFORMATION FOR SEQ ID NO:7:  
227  
228                   (i) SEQUENCE CHARACTERISTICS:  
229                   (A) LENGTH: 20 amino acids  
230                   (B) TYPE: amino acid  
231                   (C) STRANDEDNESS: Not Relevant  
232                   (D) TOPOLOGY: Not Relevant  
233  
234                   (ii) MOLECULE TYPE: peptide  
235  
236                   (iii) HYPOTHETICAL: NO  
237  
238                   (iv) ANTI-SENSE: NO  
239  
240  
241  
242  
243                   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
244  
245                   Gly Val Thr Ser Ala Pro Asp Thr Arg Arg Ala Pro Gly Ser Thr Ala  
246                   1                               5                                       10                               15  
247  
248                   Pro Pro Ala His  
249                   20  
250  
251  
252  
253                   (2) INFORMATION FOR SEQ ID NO:8:  
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255                   (i) SEQUENCE CHARACTERISTICS:  
256                   (A) LENGTH: 12 amino acids  
257                   (B) TYPE: amino acid  
258                   (C) STRANDEDNESS: Not Relevant

PAGE: 1

**SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/09/051,685A**

DATE: 03/30/1999  
TIME: 14:09:33

***INPUT SET: S31291.raw***

Line	Error	Original Text
31	Unknown or Misplaced Identifier	(vii) RELATED APPLICATION DATA:
32	Wrong application Serial Number	(A) APPLICATION NUMBER: PCT US96/16825
35	Unknown or Misplaced Identifier	(vii) RELATED APPLICATION DATA:
36	Wrong application Serial Number	(A) APPLICATION NUMBER: 60/005,727